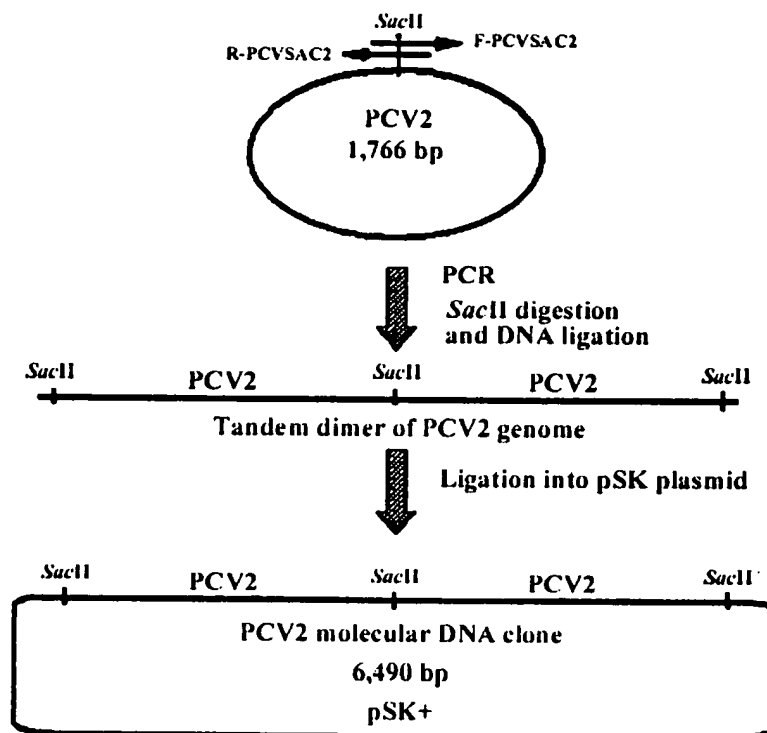Fig. 1
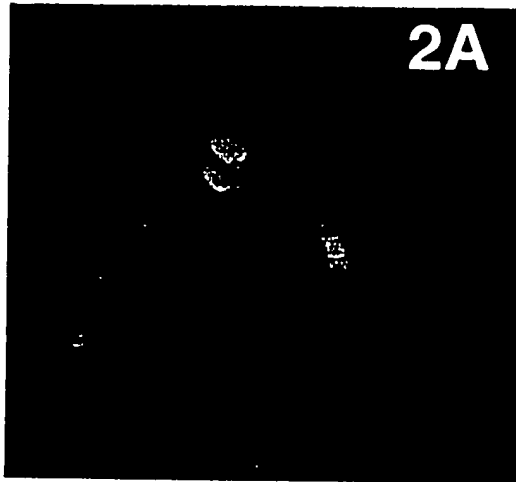
Fig. 2A
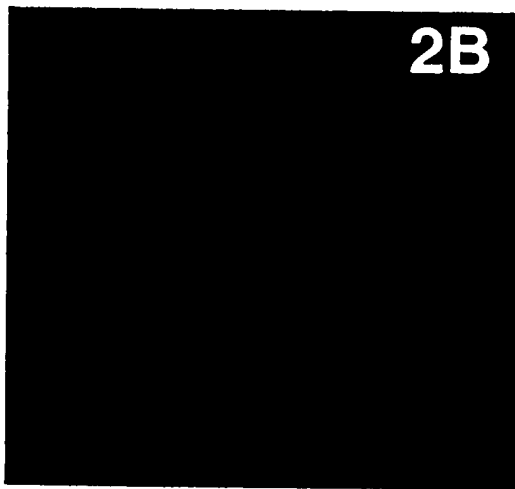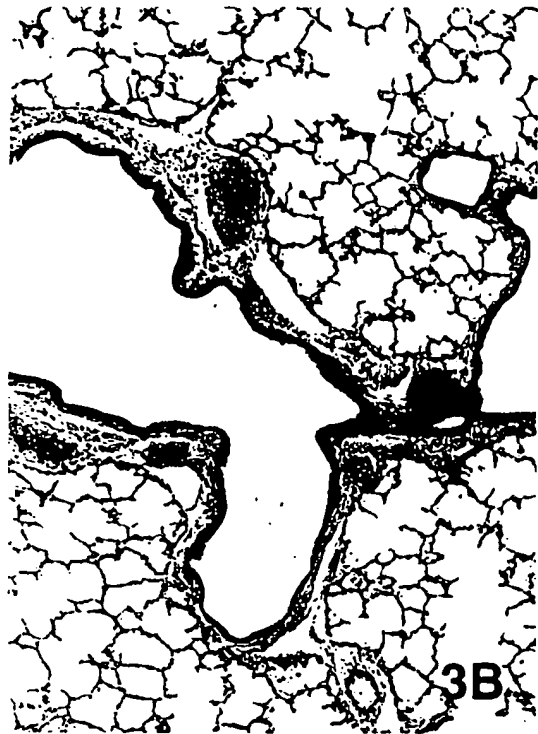

Fig. 2B

Figs. 3A - 3D

3A

3B

3C

3D

Figs. 4A - 4D

Fig. 5

Fig. 6

PCV1 molecular DNA clone
pSK

PCV2 molecular DNA clone
pSK

PCV1-2 molecular DNA clone
pSK

PCV2-1 molecular DNA clone
pSK
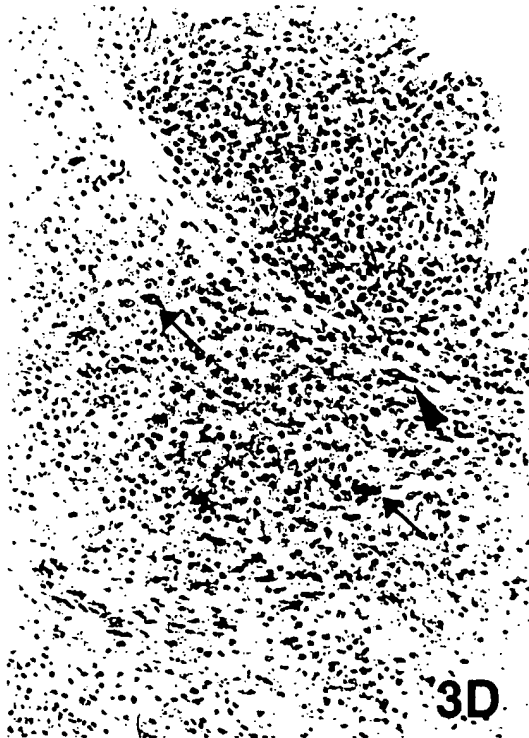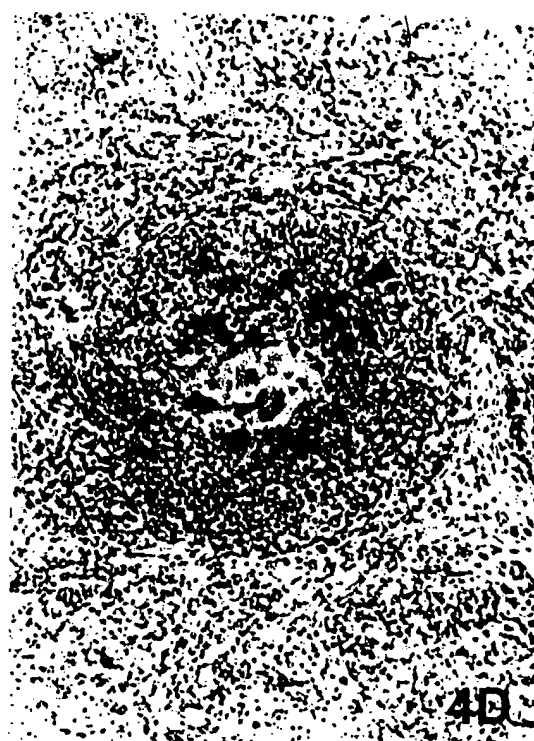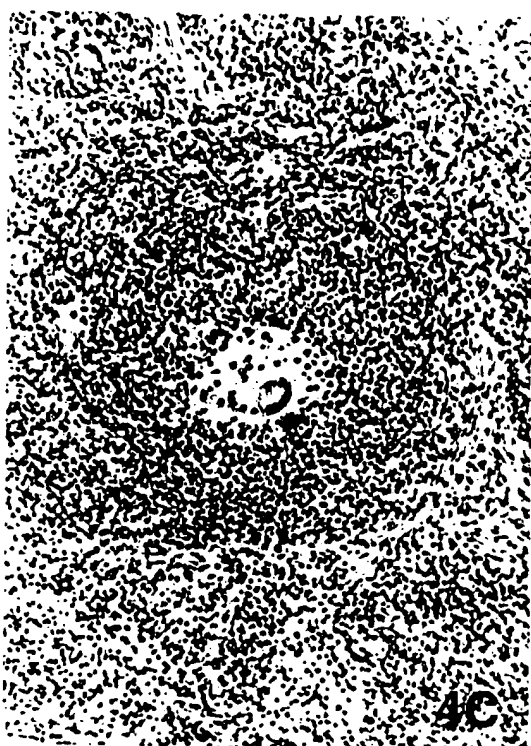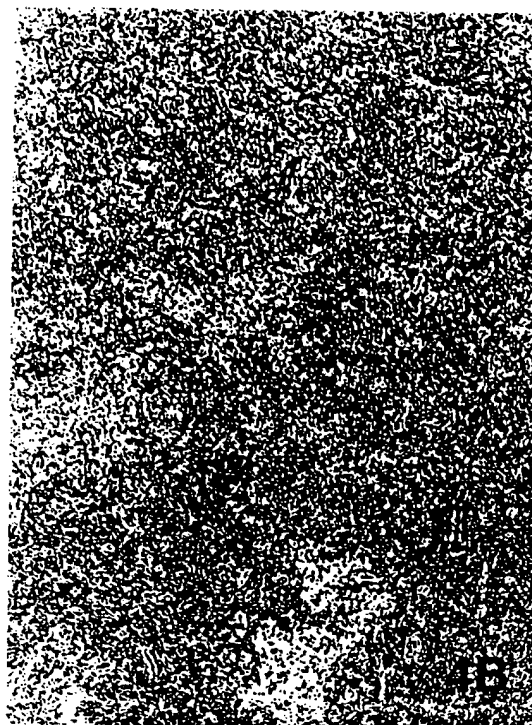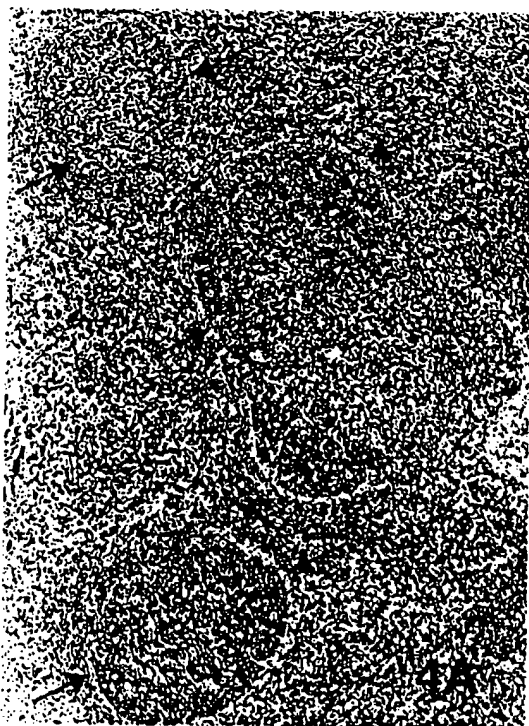
Figs. 7A - 7J

IFA with
anti-PCV1 ORF2

IFA with
anti-PCV2

Fig. 7A

A

Fig. 7B

B

Fig. 7C

C

Fig. 7D

D

Fig. 7E

E

Fig. 7F

F

Fig. 7G

G

Fig. 7H

H

Fig. 7I

I

Fig. 7J

J

Fig. 8

AAATTTCTGACAAACGTTACAGGGTGCTGCTCTGCAACGGTCACCAGACTCCCGCTCTCC
AACAAGGTACTCACAGCAGTAGACAGGTCACTCCGTTGTCCTTGAGATCGAGGAGCTCCA
CATTCAATAAGTAAGTTGCCTTCTTTACTGCAATATTCTTTATTCTGCTGATCAGTTCCT
TTGGCTTTCTCGATATGGCAGCGGGCACCCAAATACCACTTCACTTTATTAAAAGTTTGC
TTCTTCACAAAATTAGCGAACCCCTGGAGGTGAGGTGTTCGTCCTTCCTCATTACCCTCC
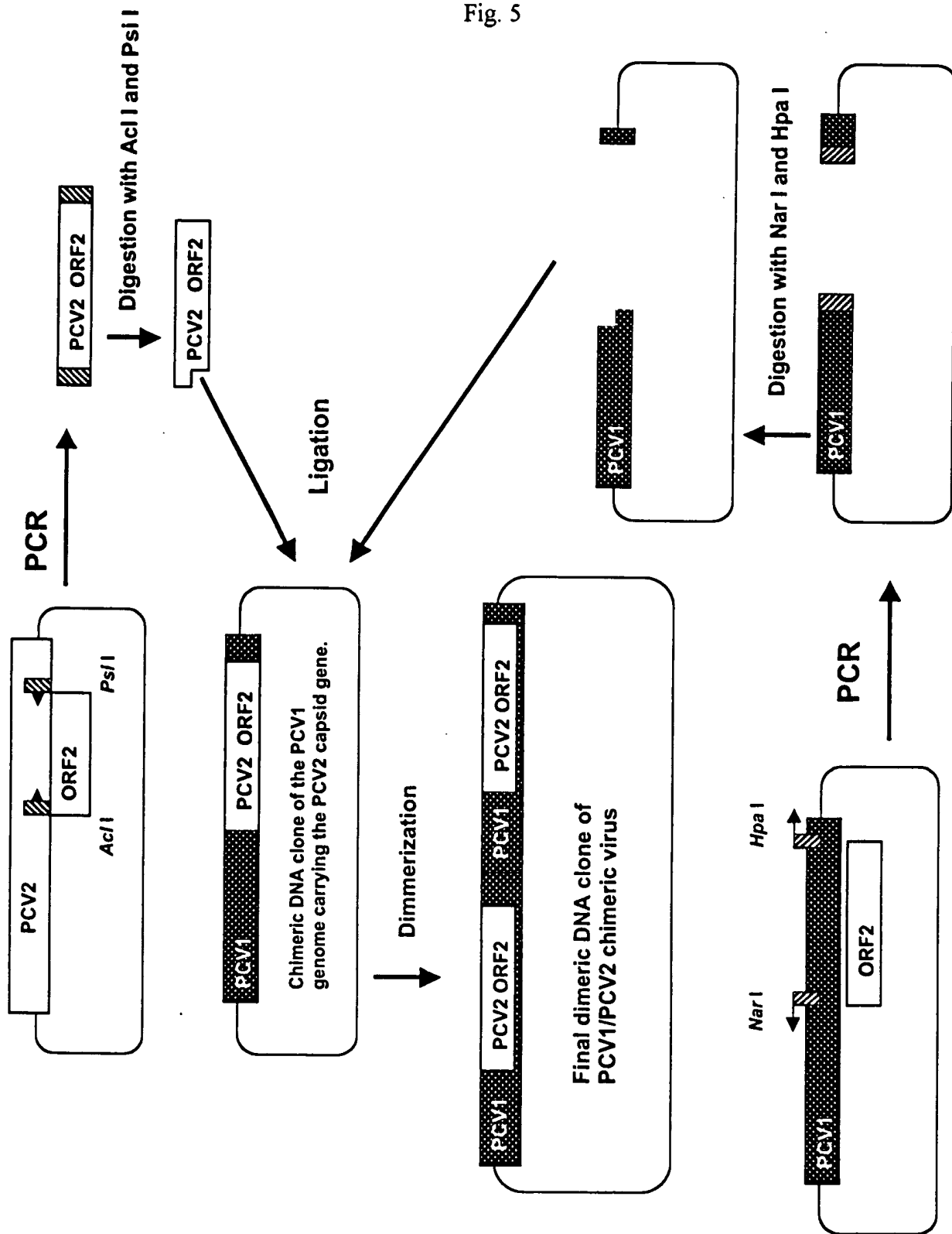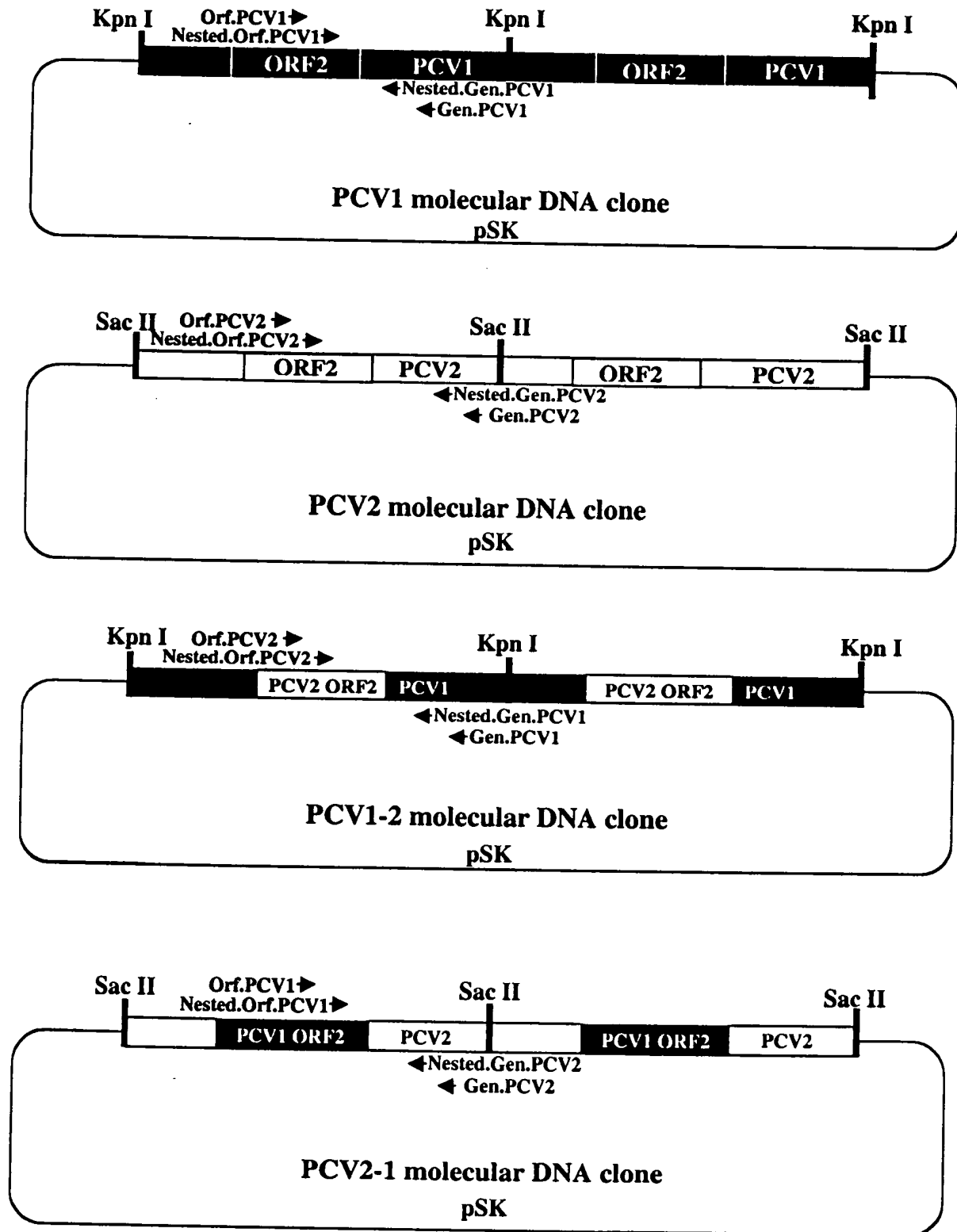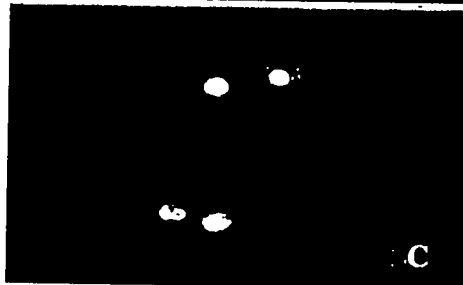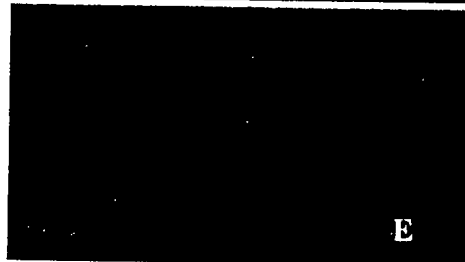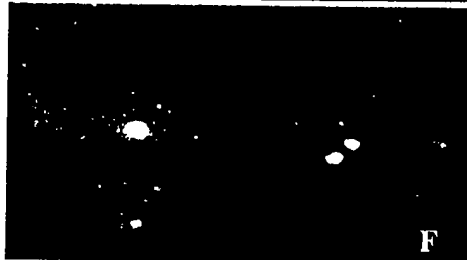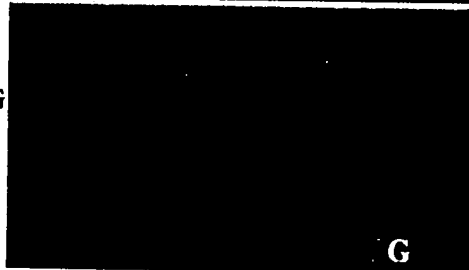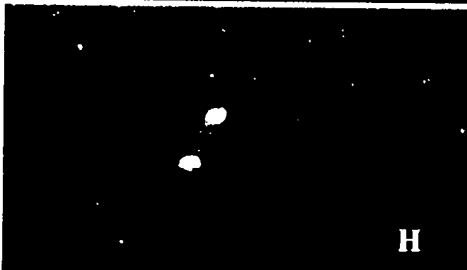TCGCCAACAATAAAATAATCAAATAGGGAGATTGGGAGCTCCCGTATTTTCTTGCGCTCG
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CCATTCTTCTTGCTGGGCATGTTGCTGCTGAGGTGCTGCCGAGGTGCTGCCGCTGCCGAA
GTGCGCTGGTAATACTTACAGCGCACTTCTTTCGTTTTCAGCTATGACGTATCCAAGGAG
GCGTTACCGCAGAAGAAGACACCGCCCCGCAGCCATCTTGGCCAGATCCTCCGCCGCCG
CCCCTGGCTCGTCCACCCCGCCACCGCTACCGTTGGAGAAGGAAAAATGGCATCTTCAA
CACCCGCCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACCACAGTCAGAACGCCCTC
CTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTTCCCCCGGGAGGGGGGAC
CAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAGGTTAAGGTTGAATTCTG
GCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCCACTGCTGTTATTCTAGA
TGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCATATGTAAACTACTCCTC
CCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTACTTCACACCCAAACCTGT
TCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGGAATCAGCTTTGGATGAG
GCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACTGCGTTCGAAAACAGTAT
ATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAATTCAGAGAATTTAATCT
TAAAGACCCCCCACTTAAACCCTAAATGAATAATAAAAACCATTACGAAGTGATAAAAAA
GACTCAGTAATTTATTTCATATGGAAATTCAGGGCATGGGGGGGAAAGGGTGACGAACTG
GCCCCCTTCCTCCGTGGATTGTTCTGTAGCATTCTTCCAAAATACCAAGAAAGTAATCCT.
CCGATAGAGAGCTTCTACAGCTGGGACAGCAGTTGAGGAGTACCATTCCAACGGGGTCTG
ATTGCTGGTAATCAGAATACTGCGGGCCAAAAAAGGTACAGTTCCACCTTTAGTCTCTAC
AGTCAATGGATATCGATCACACAGTCTCAGTAGATCATCCCACGGCAGCCAGCCATAAAA
GTCATCAATAACAACCACTTCTTCACCATGGTAACCATCCCACCACTTGTTTCTAGGTGG
TTTCCAGTATGTGGTTTCCGGGTCTGCAAAATTAGCAGCCCATTTGCTTTTACCACACCC
AGGTGGCCCCACAATGACGTGTACATTGGTCTTCCAATCACGCTTCTGCATTTTCCCGCT
CACTTTCAAAAGTTCAGCCAGCCCGCGG

Fig. 9

GGTACCTCCGTGGATTGTTCTCCAGCAGTCTTCCAAAATTGCAAAGTAGTAATCCTCCGA
TAGAGAGCTTCTACAGCTGGGACAGCAGTTGAGGAGTACCATTCCTGGGGGGCCTGATTG
CTGGTAATCAAAATACTGCGGGCCAAAAAAGGAACAGTACCCCCTTTAGTCTCTACAGTC
AATGGATACCGGTCACACAGTCTCAGTAGATCATCCCAAGGTAACCAGCCATAAAAATCA
TCCAAAACAACAACTTCTTCTCCATGATATCCATCCCACCACTTATTTCTACTAGGCTTC
CAGTAGGTGTCCCTAGGCTCAGCAAAATTACGGGCCCACTGGCTCTTCCCACAACCGGGC
GGGCCCACTATGACGTGTACAGCTGTCTTCCAATCACGCTGCTGCATCTTCCCGCTCACT
TTCAAAAGTTCAGCCAGCCCGCGGAAATTTCTCACATACGTTACAGGAAACTGCTCGGCT
ACAGTCACCAAAGACCCCGTCTCCAAAAGGGTACTCACAGCAGTAGACAGGTCGCTGCGC
TTCCCCTGGTTCCGCGGAGCTCCACACTCGATAAGTATGTGGCCTTCTTTACTGCAGTAT
TCTTTATTCTGCTGGTCGGTTCCTTTCGCTTTCTCGATGTGGCAGCGGGCACCAAAATAC
CACTTCACCTTGTTAAAAGTCTGCTTCTTAGCAAAATTCGCAAACCCCTGGAGGTGAGGA
GTTCTACCCTCTTCCAAACCTTCCTCGCCACAAACAAAATAATCAAAAAGGGAGATTGGA
AGCTCCCGTATTTTGTTTTTCTCCTCCTCGGAAGGATTATTAAGGGTGAACACCCACCTC
TTATGGGGTTGCGGGCCGCTTTTCTTGCTTGGCATTTTCACTGACGCTGCCGAGGTGCTG
CCGCTGCCGAAGTGCGCTGGTAATACTACAGCAGCGCACTTCTTTCACTTTTATAGGATG
ACGTATCCAAGGAGGCGTTACCGCAGAAGAAGACACCGCCCCGCAGCCATCTTGGCCAG
ATCCTCCGCCGCCGCCCCTGGCTCGTCCACCCCCGCCACCGCTACCGTTGGAGAAGGAA
AATGGCATCTTCAACACCCGCCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACCACA
GTCAGAACGCCCTCCTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTTCCC
CCGGGAGGGGGGACCAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAGGTT
AAGGTTGAATTCTGGCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCCACT
GCTGTTATTCTAGATGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCATAT
GTAAACTACTCCTCCCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTACTTC
ACACCCAAACCTGTTCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGGAAT
CAGCTTTGGATGAGGCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACTGCG
TTCGAAAACAGTATATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAATTC
AGAGAATTTAATCTTAAAGACCCCCCACTTAAACCCTAAATGAATAAAAATAAAAACCAT
TACGATGTGATAACAAAAAGACTCAGTAATTTATTTTATATGGGAAAGGGCACAGGGT
GGGTCCACTGCTTCAAATCGGCCTTCGGGTACC

Fig. 10

ATGACGTATCCAAGGAGGCGTTACCGCAGAAGAAGACACCGCCCCCGCAGCCATCTTGGC
CAGATCCTCCGCCGCCGCCCCTGGCTCGTCCACCCCCGCCACCGCTACCGTTGGAGAAGG
AAAAATGGCATCTTCAACACCCGCCTCTCCCGCACCTTCGGATATACTGTCAAGGCTACC
ACAGTCAGAACGCCCTCCTGGGCGGTGGACATGATGAGATTTAATATTGACGACTTTGTT
CCCCCGGGAGGGGGGACCAACAAAATCTCTATACCCTTTGAATACTACAGAATAAGAAAG
GTTAAGGTTGAATTCTGGCCCTGCTCCCCCATCACCCAGGGTGATAGGGGAGTGGGCTCC
ACTGCTGTTATTCTAGATGATAACTTTGTAACAAAGGCCACAGCCCTAACCTATGACCCA
TATGTAAACTACTCCTCCCGCCATACAATCCCCCAACCCTTCTCCTACCACTCCCGTTAC
TTCACACCCAAACCTGTTCTTGACTCCACCATTGATTACTTCCAACCAAATAACAAAAGG
AATCAGCTTTGGATGAGGCTACAAACCTCTAGAAATGTGGACCACGTAGGCCTCGGCACT
GCGTTCGAAAACAGTATATACGACCAGGACTACAATATCCGTGTAACCATGTATGTACAA
TTCAGAGAATTTAATCTTAAAGACCCCCCACTTAAACCCTAA

Fig. 11

MTYPRRRYRRRRHRPRSHLGQILRRRPWLVHPRHRYRWRRKNGIFNTRLSRTFGYTVKAT
TVRTPSWAVDMMRFNIDDFVPPGGGTNKISIPFEYYRIRKVKVEFWPCSPITQGDRGVGS
TAVILDDNFVTKATALTYDPYVNYSSRHTIPQPFSYHSRYFTPKPVLDSTIDYFQPNNKR
NQLWMRLQTSRNVDHVGLGTAFENSIYDQDYNIRVTMYVQFREFNLKDPPLKP*

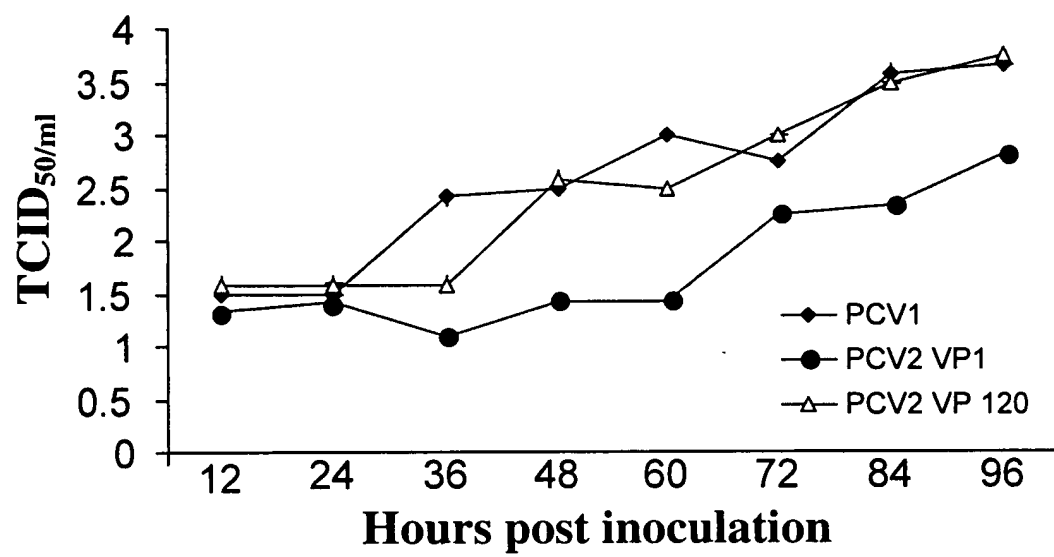*translation termination codon

Fig. 12

Fig. 13

110	191	
P	R	VP 0
A	R	VP 30
A	R	VP 60
A	R	VP 90
A	S	VP 120
P	R	PCV2: US & Canada
P	G/A	PCV2: Canada, France, Spain, Germany & Taiwan
P	T	PCV1

Fig. 14

Viral genomic copy numbers (log)

▲ PCV2 VP120   ○ PCV2 VP1

Days post inoculation